

"Empire Island"

ex

SS. "West Kedron"

Baltimore Report No. 7159

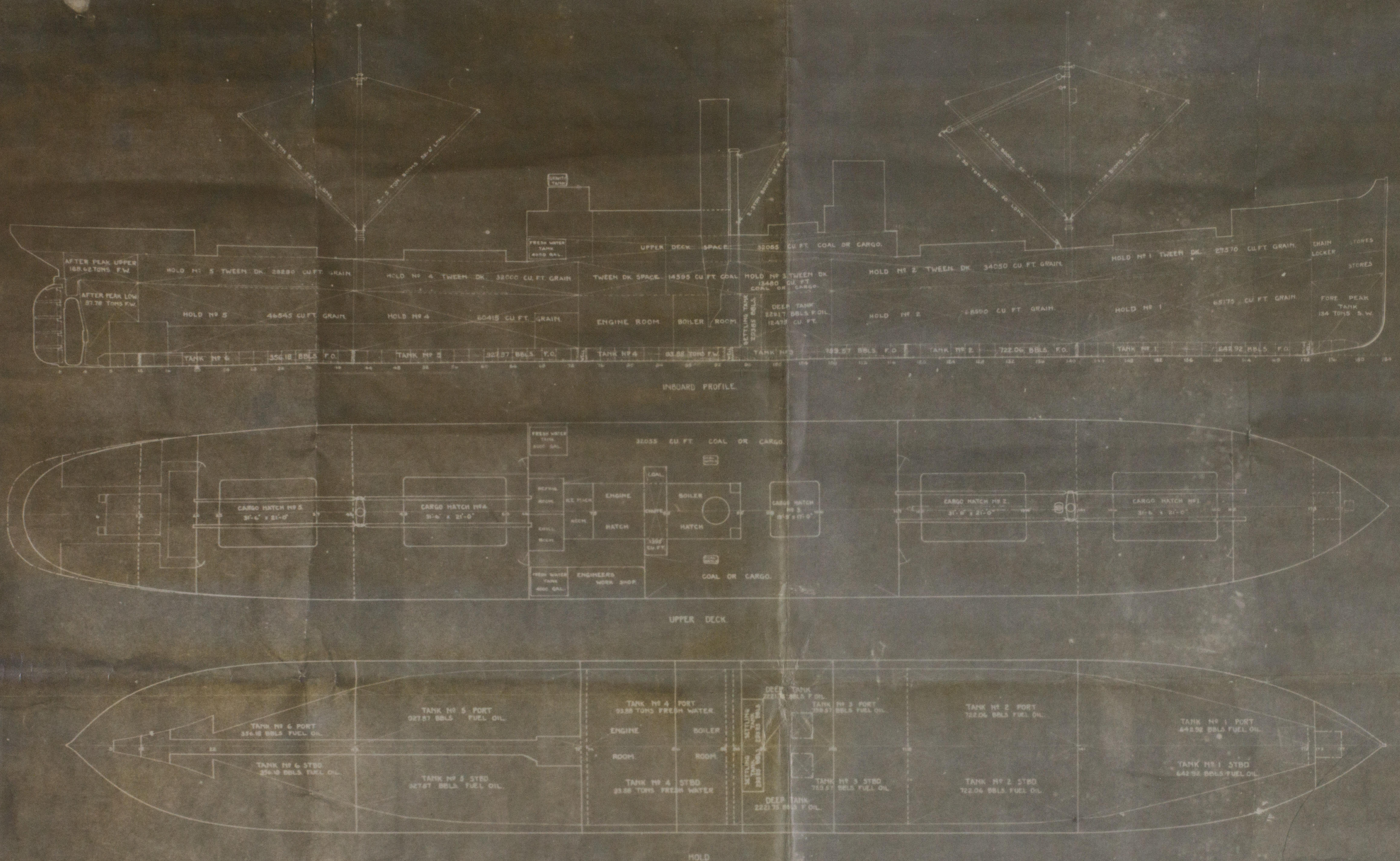
Capacity Plan



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Lloyd's Register
Foundation

W1130-0154



CAPACITY SCALE				
FEET	INCHES	FEET	INCHES	FEET
1	0	1	0	1
2	0	2	0	2
3	0	3	0	3
4	0	4	0	4
5	0	5	0	5
6	0	6	0	6
7	0	7	0	7
8	0	8	0	8
9	0	9	0	9
10	0	10	0	10
11	0	11	0	11
12	0	12	0	12
13	0	13	0	13
14	0	14	0	14
15	0	15	0	15
16	0	16	0	16
17	0	17	0	17
18	0	18	0	18
19	0	19	0	19
20	0	20	0	20
21	0	21	0	21
22	0	22	0	22

GRADUATED SCALE OF TANKS									
PORT	AFTER PEAK	AFTER PEAK	AFTER PEAK	DEEP	PORT	AFTER PEAK	AFTER PEAK	AFTER PEAK	DEEP
TANK	TANK	TANK	TANK	TANK	TANK	TANK	TANK	TANK	TANK
TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS
1	134.0	134.0	134.0	134.0	1	134.0	134.0	134.0	134.0
2	132.8	132.8	132.8	132.8	2	132.8	132.8	132.8	132.8
3	128.8	128.8	128.8	128.8	3	128.8	128.8	128.8	128.8
4	121.4	121.4	121.4	121.4	4	121.4	121.4	121.4	121.4
5	113.9	113.9	113.9	113.9	5	113.9	113.9	113.9	113.9
6	104.7	104.7	104.7	104.7	6	104.7	104.7	104.7	104.7
7	99.7	99.7	99.7	99.7	7	99.7	99.7	99.7	99.7
8	95.7	95.7	95.7	95.7	8	95.7	95.7	95.7	95.7
9	92.6	92.6	92.6	92.6	9	92.6	92.6	92.6	92.6
10	89.7	89.7	89.7	89.7	10	89.7	89.7	89.7	89.7
11	86.8	86.8	86.8	86.8	11	86.8	86.8	86.8	86.8
12	84.0	84.0	84.0	84.0	12	84.0	84.0	84.0	84.0
13	81.2	81.2	81.2	81.2	13	81.2	81.2	81.2	81.2
14	78.4	78.4	78.4	78.4	14	78.4	78.4	78.4	78.4
15	75.6	75.6	75.6	75.6	15	75.6	75.6	75.6	75.6
16	72.8	72.8	72.8	72.8	16	72.8	72.8	72.8	72.8
17	70.0	70.0	70.0	70.0	17	70.0	70.0	70.0	70.0
18	67.2	67.2	67.2	67.2	18	67.2	67.2	67.2	67.2
19	64.4	64.4	64.4	64.4	19	64.4	64.4	64.4	64.4
20	61.6	61.6	61.6	61.6	20	61.6	61.6	61.6	61.6
21	58.8	58.8	58.8	58.8	21	58.8	58.8	58.8	58.8
22	56.0	56.0	56.0	56.0	22	56.0	56.0	56.0	56.0
23	53.2	53.2	53.2	53.2	23	53.2	53.2	53.2	53.2
24	50.4	50.4	50.4	50.4	24	50.4	50.4	50.4	50.4
25	47.6	47.6	47.6	47.6	25	47.6	47.6	47.6	47.6
26	44.8	44.8	44.8	44.8	26	44.8	44.8	44.8	44.8
27	42.0	42.0	42.0	42.0	27	42.0	42.0	42.0	42.0
28	39.2	39.2	39.2	39.2	28	39.2	39.2	39.2	39.2
29	36.4	36.4	36.4	36.4	29	36.4	36.4	36.4	36.4
30	33.6	33.6	33.6	33.6	30	33.6	33.6	33.6	33.6
31	30.8	30.8	30.8	30.8	31	30.8	30.8	30.8	30.8
32	28.0	28.0	28.0	28.0	32	28.0	28.0	28.0	28.0
33	25.2	25.2	25.2	25.2	33	25.2	25.2	25.2	25.2
34	22.4	22.4	22.4	22.4	34	22.4	22.4	22.4	22.4
35	19.6	19.6	19.6	19.6	35	19.6	19.6	19.6	19.6
36	16.8	16.8	16.8	16.8	36	16.8	16.8	16.8	16.8
37	14.0	14.0	14.0	14.0	37	14.0	14.0	14.0	14.0
38	11.2	11.2	11.2	11.2	38	11.2	11.2	11.2	11.2
39	8.4	8.4	8.4	8.4	39	8.4	8.4	8.4	8.4
40	5.6	5.6	5.6	5.6	40	5.6	5.6	5.6	5.6
41	2.8	2.8	2.8	2.8	41	2.8	2.8	2.8	2.8
42	0.0	0.0	0.0	0.0	42	0.0	0.0	0.0	0.0

CARGO SPACE CAPACITIES				
COMPARTMENT	LOCATION	GRAIN - CU. FT.	BALE - CU. FT.	
HOLD NO. 1 LOWER	141 - 173	65,772	61,900	
HOLD NO. 2 LOWER	108 - 141	58,989	56,072	
HOLD NO. 4 LOWER	42 - 73	50,415	47,550	
HOLD NO. 5 LOWER	12 - 42	46,545	42,740	
HOLD NO. 1 TWEEN DEK	141 - 173	27,570	25,980	
HOLD NO. 2 TWEEN DEK	108 - 141	24,050	22,735	
HOLD NO. 3 TWEEN DEK	85 - 108	15,480	13,020	
HOLD NO. 4 TWEEN DEK	42 - 73	32,000	30,820	
HOLD NO. 5 TWEEN DEK	12 - 42	28,280	26,805	
UPPER DECK SPACE	66 - 117	32,055	30,600	
TOTAL		408,160	387,520	

HATCH CAPACITIES		
HATCH	LOCATION	CU. FT.
HATCH NO. 1	UPPER DEK	2350
HATCH NO. 2	UPPER DEK	2350
HATCH NO. 3	BRIDGE DEK	550
HATCH NO. 4	UPPER DEK	2350
HATCH NO. 5	UPPER DEK	2350
TOTAL		9950

COAL BUNKER CAPACITIES				
PERMANENT BUNKERS				
SPACE	LOCATION	CU. FT.	TONS	
TWEEN DECK	73 - 95	14,599	324.33	
TWEEN DECK	95 - 108	13,450	299.50	
RESERVE BUNKERS				
UPPER DECK	66 - 117	32,055	712.3	
COAL CHUTE	82 - 85	1,395	31.0	
TOTAL		61,525	1367.13	

DOUBLE BOTTOM TANK CAPACITIES						
IN TONS & BBLs PER 6 INCHES						
TANK NO.	PORT	STBD	TANK NO.	PORT	STBD	TANK NO.
1	94.50	642.92	106.28	722.06	111.00	789.57
2	90.70	617.02	106.02	721.28	110.34	750.66
3	84.85	578.80	91.88	625.11	97.42	660.79
4	65.18	443.45	75.45	514.45	80.10	544.31
5	51.30	349.06	59.81	406.34	62.95	428.31
6	37.35	258.23	43.97	299.19	47.07	313.44
7	24.08	163.84	28.40	193.23	29.45	200.35
8	10.96	73.90	11.12	75.65	12.32	87.26
9	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00	0.00	0.00
37	0.00	0.00	0.00	0.00	0.00	0.00
38	0.00	0.00	0.00	0.00	0.00	0.00
39	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00

FUEL OIL CAPACITIES & WATER BALLAST COMPNTS						
TANKS	LOCATION	CU. FT.	TONS	WATER BALLAST	TONS	
TANK NO. 1 PORT	141 - 172	3610	642.92	94.50	103.14	
TANK NO. 1 STBD	141 - 172	3610	642.92	94.50	103.14	
TANK NO. 2 PORT	118 - 141	4060	722.06	106.28	116.00	
TANK NO. 2 STBD	118 - 141	4060	722.06	106.28	116.00	
TANK NO. 3 PORT	94 - 118	4265	759.57	111.64	121.85	
TANK NO. 3 STBD	94 - 118	4265	759.57	111.64	121.85	
TANK NO. 5 PORT	42 - 73	5210	927.87	136.39	140.85	
TANK NO. 5 STBD	42 - 73	5210	927.87	136.39	140.85	
TANK NO. 6 PORT	12 - 42	2000	356.18	52.36	57.15	
TANK NO. 6 STBD	12 - 42	2000	356.18	52.36	57.15	
DEEP TANK PORT	95 - 108	12,475	2221.75	326.57	356.43	
DEEP TANK STBD	95 - 108	12,475	2221.75	326.57	356.43	
SETTLING TANK P	85 - 98	1650	293.85	43.20		
SETTLING TANK S	85 - 98	1650	293.85	43.20		
TOTAL		66,540	11,948.40	1741.88	1806.84	

WATER TANKS			
TANKS	LOCATION	CU. FT.	TONS
TANK NO. 4 PORT	74 - 93	3380	93.88
TANK NO. 4 STBD	74 - 93	3380	93.88
AFTER PEAK UPPER	0 - 12	6790	188.62
AFTER PEAK LOWER	3 - 12	3160	87.78
FORE PEAK	173 - 184	4690	134.00
TOTAL		21,400	598.16

NAME
SS WEST KEENE 2076 131
SS WEST KATAN 2077 132
SS VINITA 2078 133
SS HALEAKALA 2079 134
SS WEST KEATS 2080 135
SS WEST KEBAR 2081 136
SS WEST KEDRON 2082 137

THREE - 14'-9" DIA SCOTCH BOILERS
ONE - 2800 H.P. TRIPLE EXPANSION
RECIP. ENGINE 24 1/2 - 41 1/2 - 72 - 48.

LENGTH OVER ALL - 427'-0"
LENGTH BET PERPS - 410'-5 1/2"
BREADTH MOULDED - 54'-0"
DEPTH MLD. TO UP. DEK. 29'-9"

EMERGENCY FLEET CORP. HULL NO. 2076 - 2082
BUILDERS HULL NO. 131-137

CAPACITY PLAN
SCALE: 1/4" = 1'-0" DATE: 1/5/19
LONG BEACH SHIPBUILDING CO.
LONG BEACH, CALIFORNIA
PLAN NO. 76-B
Lloyd's Register
Foundation

[illegible]

REVERFRAMES: ON EVERY FLOOR IN DOUBLE BOTTOM
WATERWAYS 3/4" PLATE IS INCREASED TO 10" IN
WATERWAYS 1/2" PLATE. ON EVERY FRAME IN
EVERY FRAME AND IN BOILER SPACE ON ALL
PRIVATE FRAMES: ON EVERY FRAME IN BOTH
WATERWAYS 3/4" PLATE IS INCREASED TO 10" IN
ON ALL FRAMES TO 10" IN 3/4" PLATE. NO 10" PLATE
WATERWAYS 12" x 12" WITH DOUBLE PLATE BARS 3/4"
X 12" IN 10" PLATE IN ENGINE SPACE BUT
ON EVERY FRAME IN BOTH WATERWAYS 3/4" PLATE
ON ALL FRAMES HAVE BEEN INCREASED IN LIEU OF
SAME. W/ FRAMES WILL BE FITTED IN
HOLDING CONNECTION WITH PLANT IN DEAM
WATERWAYS 3/4" PLATE WILL BE FITTED IN
BRIDGE OVER BULKHEADS
W/ FRAMES IN ACCORDANCE WITH

FLOORS- ON EVERY FRAME 4"x4"x1/2" FOR 1/2" TO 3/4"
AT ENDS- INCREASED TO 50 IN BUILT UP SPACE
PIVOTS IN BOTH RAFTERS OVER ENDS- 3/4" DIA
DOORS- 3'x7'x1/2" OVER ENDS- 3/4" x 1 1/4"
ANGLES FITTED BE LONGITUDINALS AS SHOWN
CENTER VERTICAL ANGLES- 2 1/2"x2" FOR 1/2" TO 3/4" AT ENDS
AND 3"x3" FOR 3/4" TO 1 1/4" THROUGHOUT
TO GET PLATE LEVEL 5'x5' IN 1/2" THROUGHOUT
GIRDE ANGLES- 10"x10"x1/2" ON PLATING 8"x10"x1/2"
TO GET TO 10"x10" THROUGHOUT
LONGITUDINALS- TWO EACH SIDE 4"x8" FOR 1/2" TO 3/4" AT ENDS
50 IN BUILT UP SPACE- HALF DEPTH LONGITUDINAL 3"x8"
FOR 3/4" TO 1 1/4" THROUGHOUT
EXTRA FULL RIB LONGITUDINALS WILL BE FITTED
IN WAY OF ENGINE FOUNDATION AS REQUIRED
SIDE STRINGERS- 10"x10" 1/2" DIA- 50 IN BUILT UP SPACE
AND 10"x10" 3/4" DIA- 1 1/4" CLIP- 50 IN CONTINUOUS
2 1/2"x4"x1/2" PLATE ANGLE- ADDITIONAL PAINTING
STRINGERS WILL BE FITTED FORWARD
DECK- 1 1/2"x12"x1/2" FOR 1/2" TO 3/4" 2 1/2"x12"x1/2"

13007 CHANNELS, EXCEPT IN WAY OF CARGO MATCHES
 AND MACHINERY OPENINGS WHERE THEY WILL
 BE 3 X 4.5 X 4.5 OR 3 X 5 CHANNELS ON OVER
 FRAME
 UPPER DECK: ON EVERY FRAME 7 X 3.45 X 4.8 X 2.0 S
 CHANNELS IN TWO LINES, 132.5 IN. ON 2.0 IN.
 UPPER DECK: ON EVERY FRAME 7 X 3.45 X 4.8 X 2.0 S
 6" CHANNELS
 FORECASTLE DECK: ON EVERY FRAME 7 X 3.45 X
 5.0 X 2.0 S CHANNELS WITH SUPPORT EQUAL TO
 TWO ROWS OF PILLARS
 BOARDSIDE CH: ON ALTERNATE FRAMES 8 X 3.5 X 5.5
 BUSH CHANNELS, SUPPORT EQUAL TO TWO ROWS OF
 PILLARS, BEARING BRASS AT UPPER CORNERS OF
 CHANNELS AS REGULAR BEAMS
 POINT DECK BEAMS: 4 X 3 X 9.8" ANGLES SPACED

STRONG BEAMS - IN MACHINERY SPACE OF SCANTLING
AS REQUIRED
WELDED HEADS - TESTING TO BE REQUIRED THICK-
NESS IN ACCORDANCE WITH DETAIL BULKHEAD
STIFFENERS TO BE OF REQUIRED SIZE FOR 30"
SPACING GENERALLY AND FITTED WITH LUGS AT
WELDED JOINTS AND ALL WELDED JOINTS TO
BE SUBMITTED FOR APPROVAL
SHAFT TUNNEL PRESS- THICKNESS OF PLATING SIZE
AND SPACING OF STIFFENERS TO BE ACCORDING TO
STIFFENERS
SHOUL PLATING, AT STERN FRAME TO BE OF MIDSHIP
THICKNESS OF STRAKES
THREE STRAKES TO PLATE PLATE KEEL
TO MAINTAIN MIDSHIP THICKNESS TO COLLISION
BULKHEAD

DISCONTINUATION OF THICKNESSES OF PLATING ALSO
 REQUIRED. APPROVAL REQUIRED FOR ALL REQUIRED APPROVAL
 DOUBLING PLATING TO BE FILLED AT LEAST WHERE
 BRIDGE AT NAUSE PIPES AND ELSEWHERE AS
 REQUIRED.
 REPAIRS MUST BE:
 RUMPER SINGLE PLATE TYPE - FORGED FRAME
 WITH KEYS AND ALL TYPE EACH GUYEN -
 RUMPER STOCK OF WROT STEEL OF DIA.
 APPROVAL INCREASE AT KEYWAYS -
 STOCK TO BE 10% DIA. PINTLES 5% DIA. BY
 HORIZONTAL FLANGE COUPLING -
 STOCK 10% DIA. PINTLES 5% DIA. PLATE 110

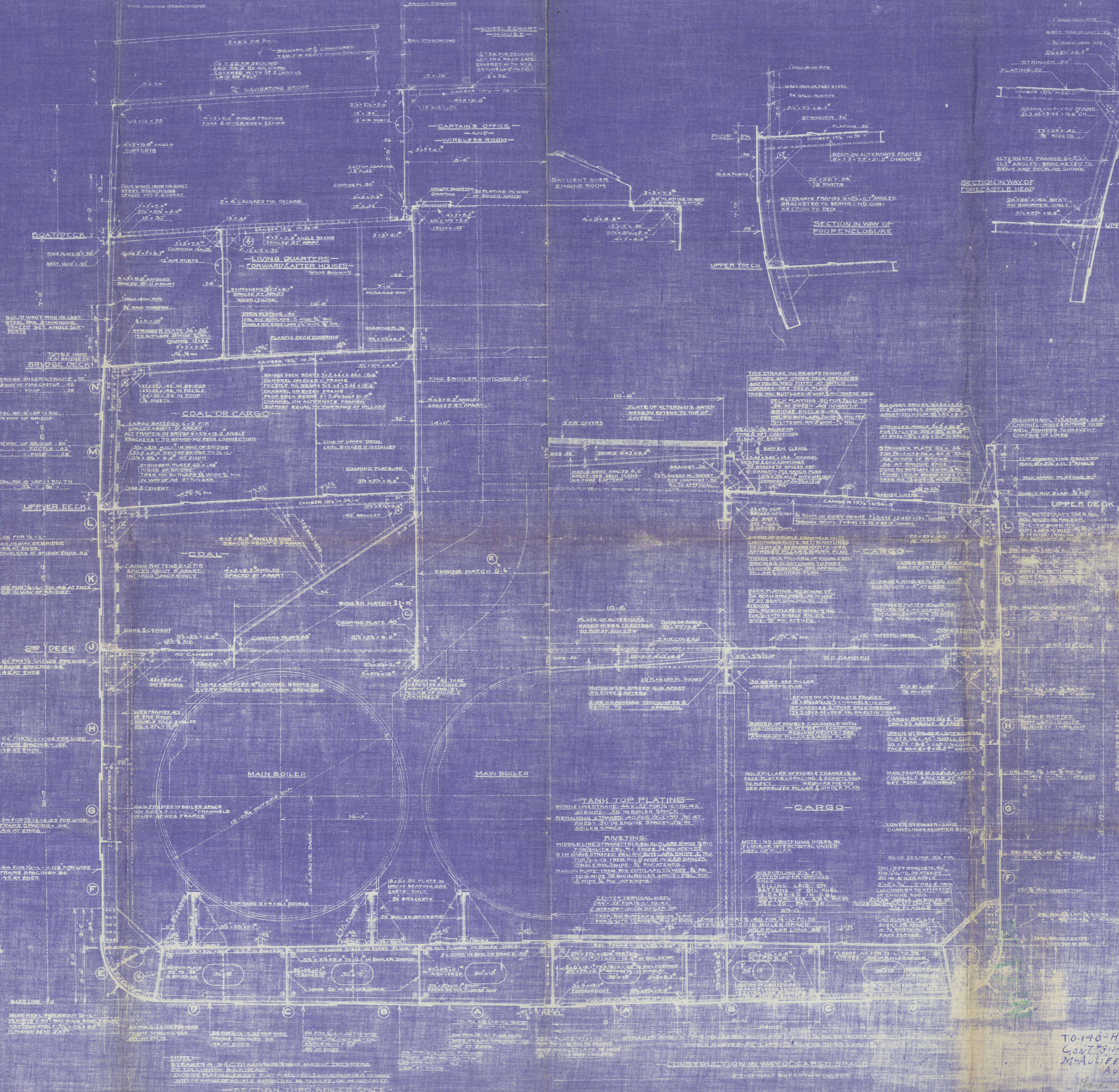
-RIVETING-

ALL BUTT STRAPS, BUTTLAPS, SEAM OR EDGE LAPS
TO BE OF WIDTH AS REQUIRED AND ALL RIVET-
ING THROUGHOUT TO BE IN ACCORDANCE
WITH _____ RULES

--NOTES--
DETAIL PLANS OF THE FOLLOWING TO BE SUBMITTED
FOR APPROVAL:- STERN FRAME ,
RUDDER, ALL W.T.B.H., DEEP FUEL OIL TANK,
PANTING STRINGERS, BOW FRAMING ETC.,
PILARS & GIRDERS, HATCHES, PROFILE &
DECK PLANS, PUMPING ARRANGEMENT.

BRIDGE SIZE PLATING TO BE CARRIED DOWN TO
DECK AT ENDS AND DOUBLINGS FITTED
UPPER DECK SHEER STRAKE & STRINGER TO BE
DOUBLED OR INCREASED IN THICKNESS AT
ENDS OF BRIDGE

NOTE: The following information is provided for informational purposes only. It is not intended to be used as a substitute for professional advice. The information is subject to change without notice.



DATE	MARK	ALTERATIONS
12.15.1	Q	REVERSE MARRING GUN'S 75 FORDS W/BLD. BCKY <small>(REVERSE MARRING GUN'S 75 FORDS W/BLD. BCKY)</small>
12.15.1	X	CUT SEAM 2X DOUBLE DEPT. TO FORD W/BLD. BCKY <small>(CUT SEAM 2X DOUBLE DEPT. TO FORD W/BLD. BCKY)</small>
1.5.1	C	ROLLER HATCH CHANGED TO 21-0" ON ACCOUNT OF FITTING HONDA FORD DRAFT
1.5.1	D	ENGINE HATCH CHANGED TO 21-0"

AMERICAN BUREAU OF SHIPPING		
EQUIPMENT		
2 BOWERS	STOCKLESS	7665 ⁰⁰ EACH
1 STREAM		2765 ⁰⁰
1 KEDGE		1155 ⁰⁰
20 FATHOMS	STUD STRAIN CABLE	270 ⁰⁰ EACH
90	STEEL WIRE STRAIN CHAIN	48 CIRC
120	" " " "	5 " "
2 HAWSERS	90 FATHOMS EACH	8 " "
2 WARPS	" " " "	7 " "

[illegible]

<u>EQUIPMENT NUMBER</u>	
HOUSE ON BRIDGE DECK 51-755-778-600X1-7791-45	
FURNITURE 17-154-1-99	
PRIZE 114-72-9-5-154-1	
POOP 43-72-7-7-5139-1	
	1690.5%
	13-77-9-
	13-75-7-3
	PLATING NUMBER 36-75-7-9
	EQUIPMENT 320-66-73

—EQUIPMENT—

2 LOWER ANCHORS STOCKLESS EACH 65.75 CWT
1 LOWER ANCHOR 5.15
1 STEEL 22.50
1 ANCHOR 11.50
370 PATOMS - 2 1/2" STRIP LINGERS 1.00
90 3/4" STEEL WIRE (STREAM)
120 5" TOW LINE

Baltimore Report No. 7157

— OF —
— 8800 TON RAW CARGO SHIP —
— FOR —
— CRAIG SHIP BUILDING CO. —


~~MIGHT OVER ALL THE REASON OF~~
~~MINUTE RECORDS.~~

BREAD IS MOULDED -
OCTAGONAL TO SQUARE OR
DESIGNED FOR BAKING IN OVEN.
- STAYS FLAT -

JANUARY 1970

x x x PD "

6060
4-2075-82
ETTER
4.19.19



W1130-0155

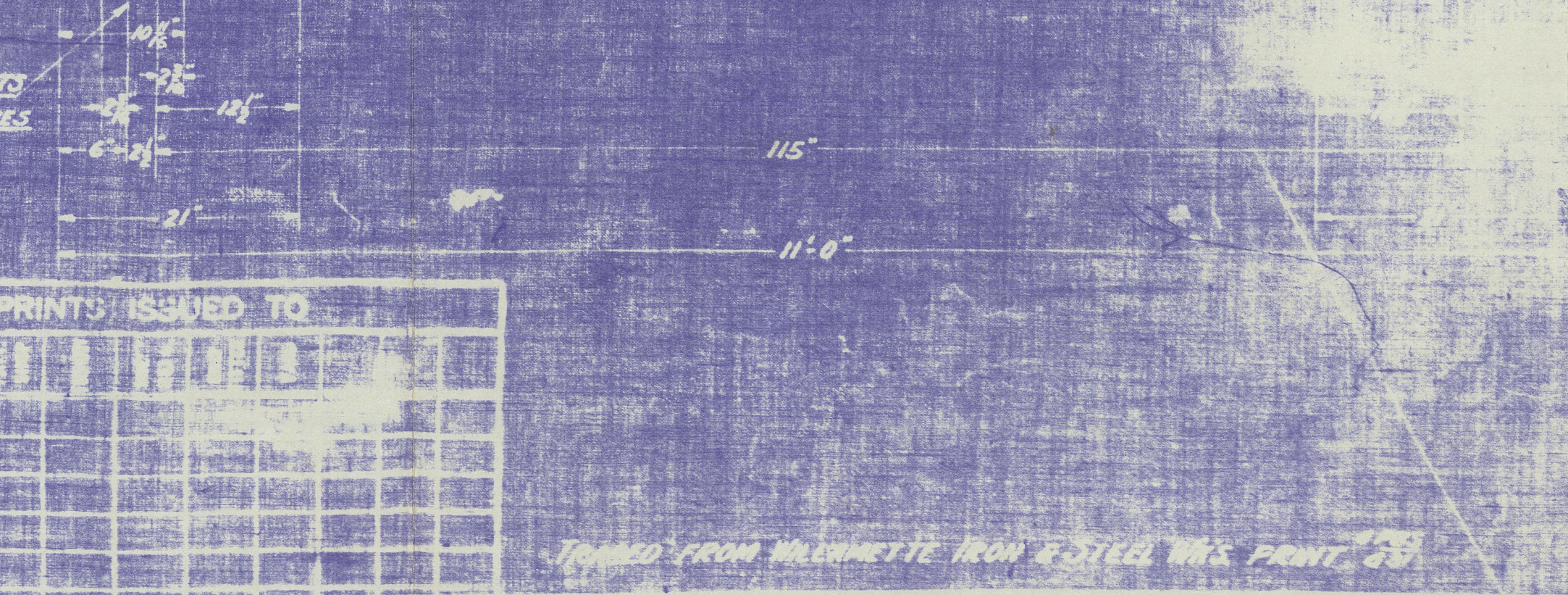
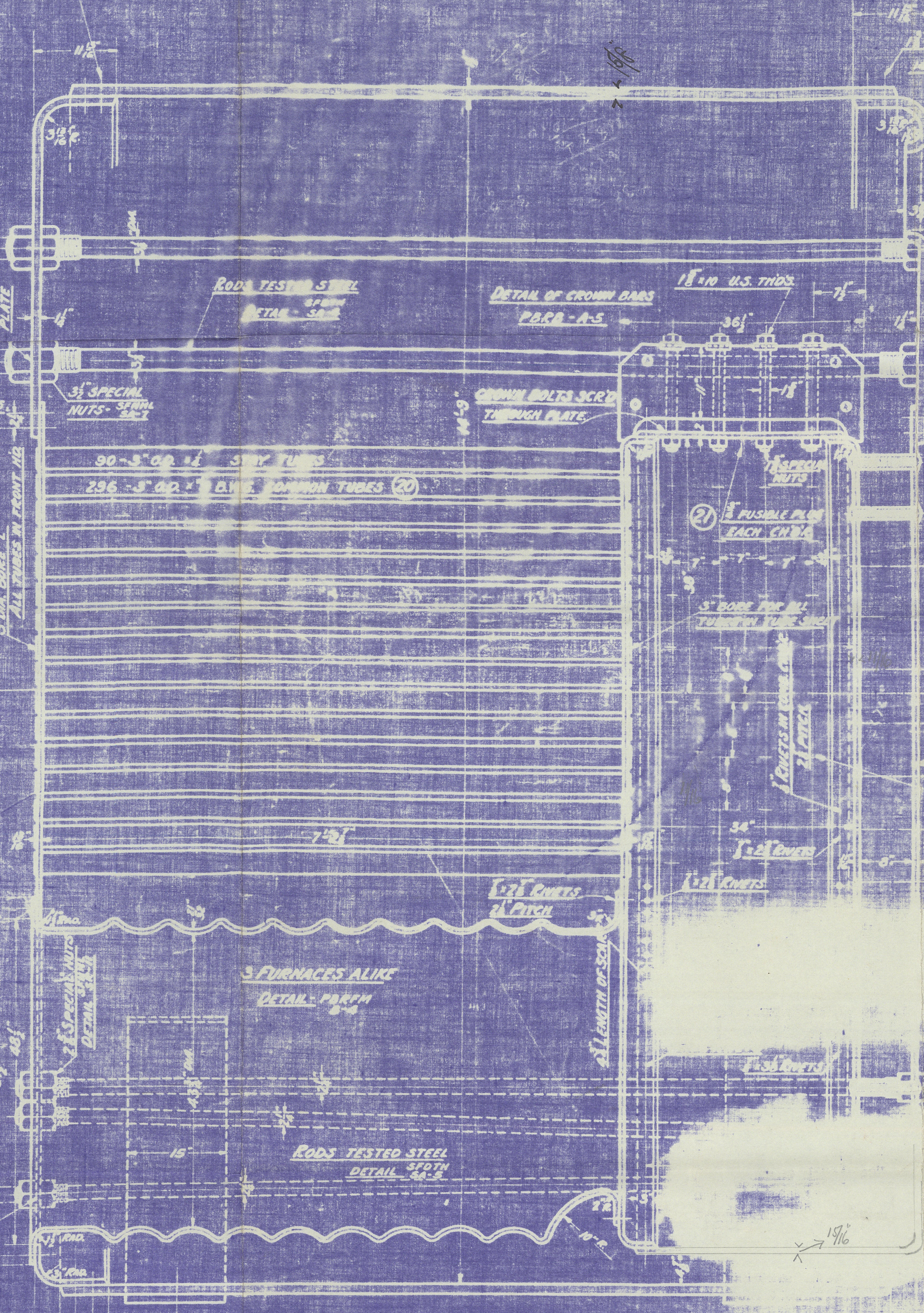
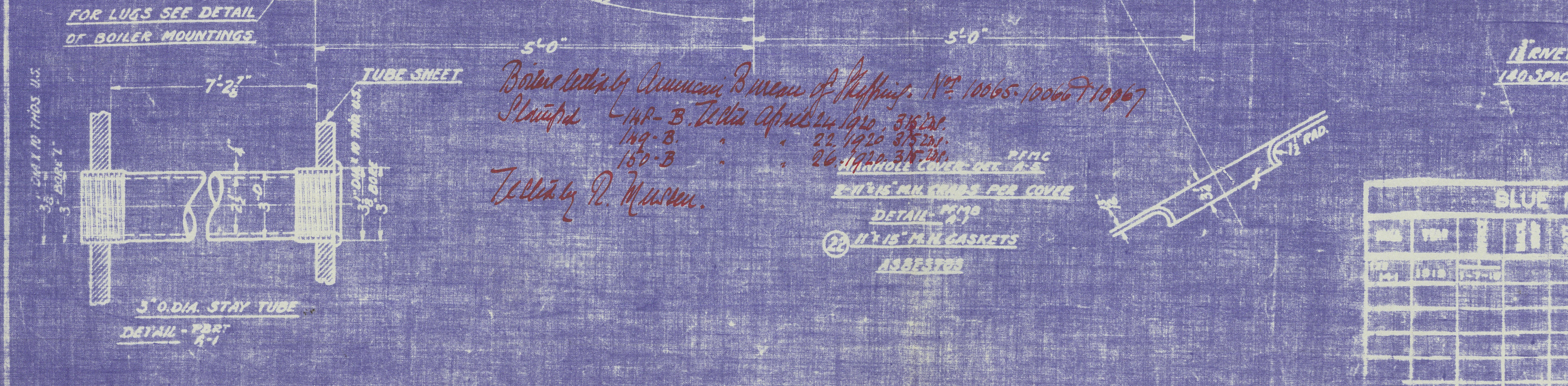
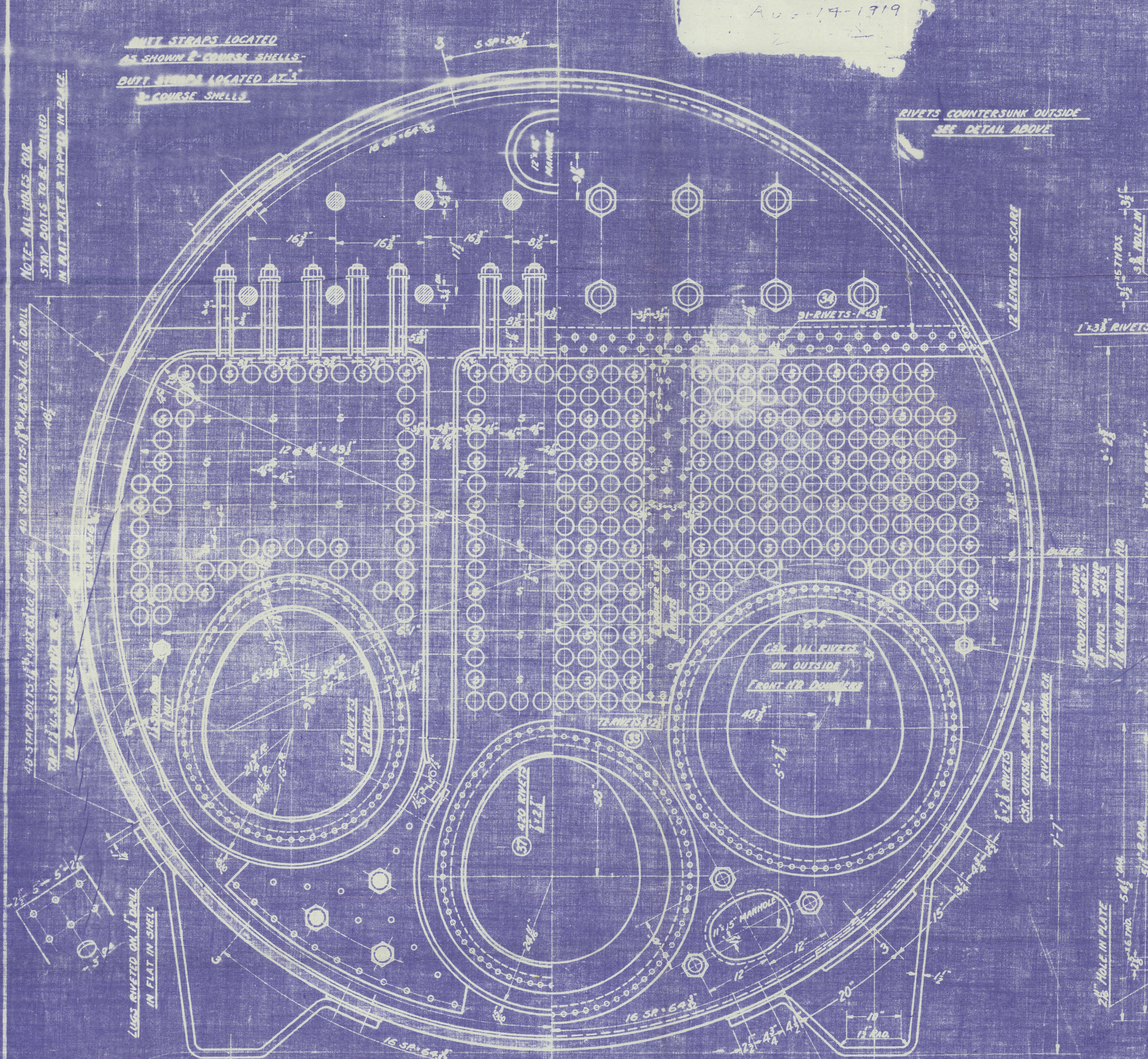
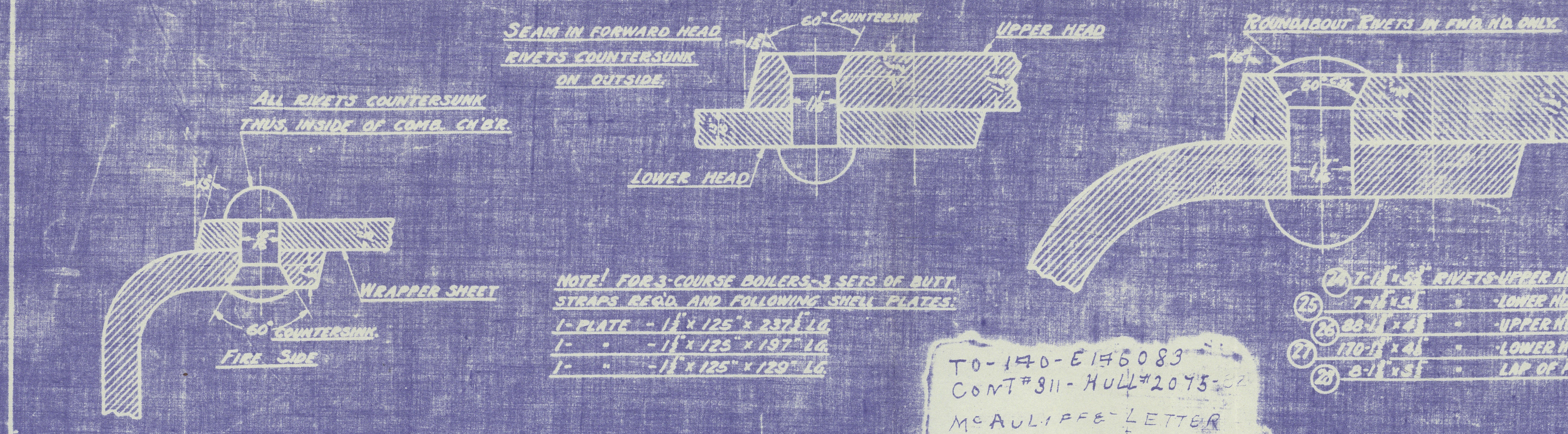
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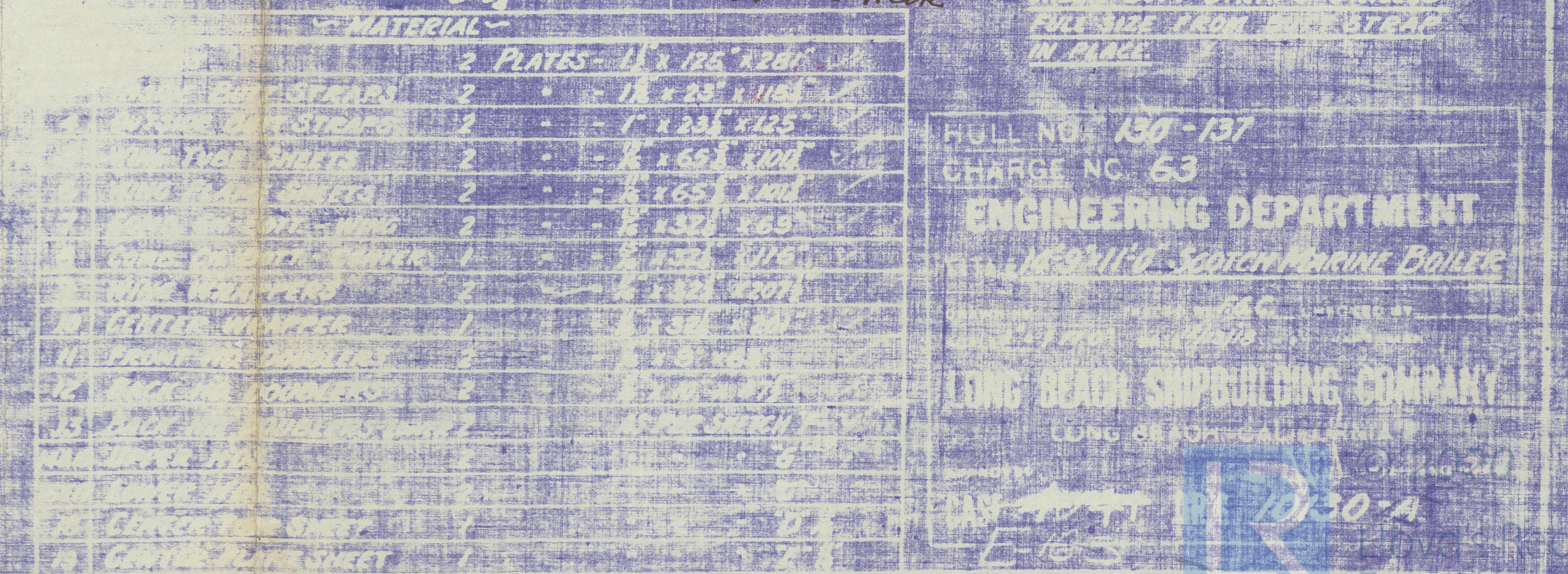
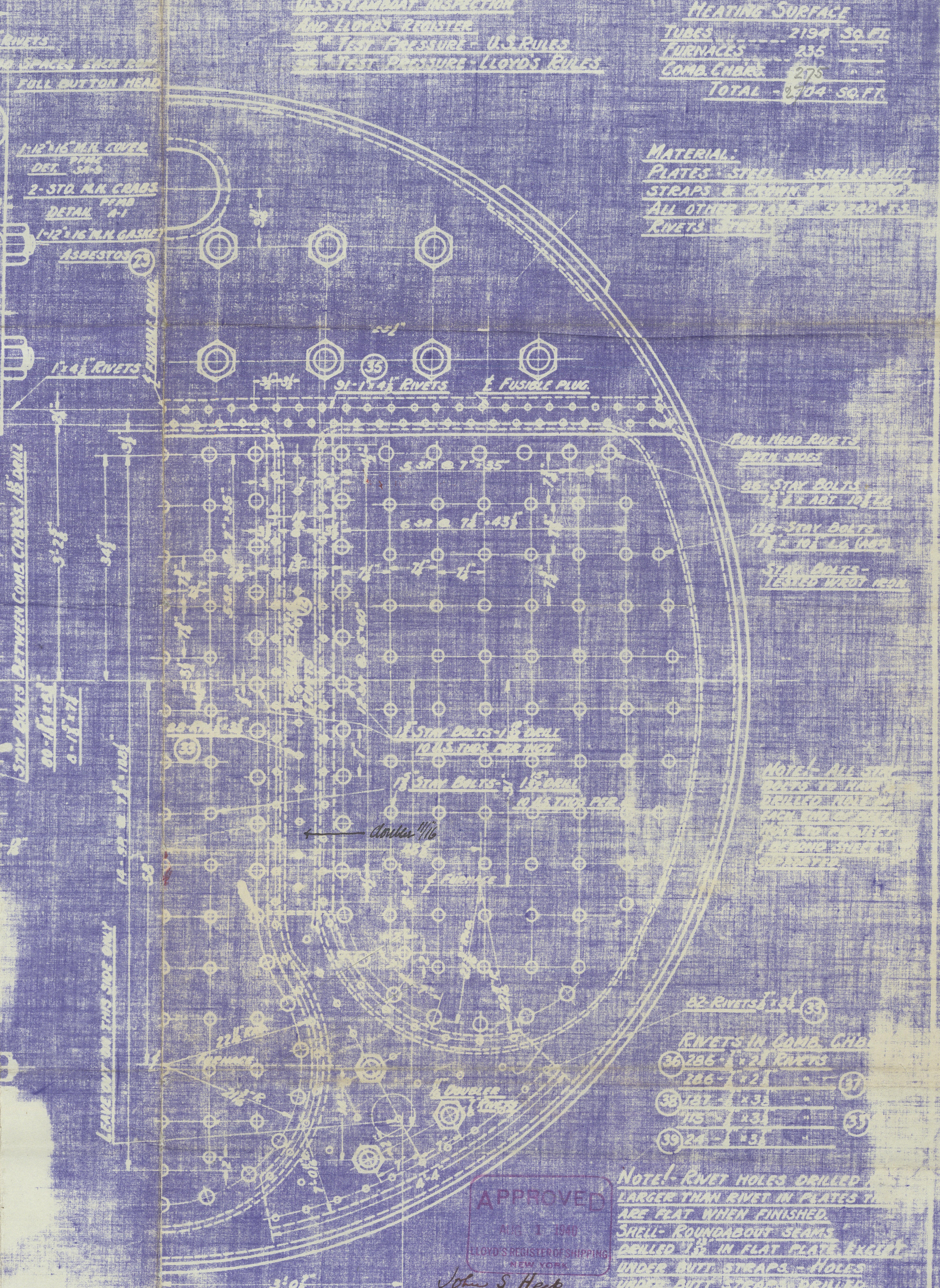


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Foundation



U.S. RULES			LLOYD'S RULES		
ITEM	DESCRIPTION	W.P.	ITEM	DESCRIPTION	W.P.
1	Shell	212	1	Shell	212
2	Head	212	2	Head	212
3	Butt straps	212	3	Butt straps	212
4	Stay tubes	212	4	Stay tubes	212
5	Fire brick	212	5	Fire brick	212
6	Grate	212	6	Grate	212
7	Flue sheet	212	7	Flue sheet	212
8	Water space	212	8	Water space	212
9	Fire space	212	9	Fire space	212
10	Grate	212	10	Grate	212
11	Flue sheet	212	11	Flue sheet	212
12	Water space	212	12	Water space	212
13	Fire space	212	13	Fire space	212
14	Grate	212	14	Grate	212
15	Flue sheet	212	15	Flue sheet	212
16	Water space	212	16	Water space	212
17	Fire space	212	17	Fire space	212
18	Grate	212	18	Grate	212
19	Flue sheet	212	19	Flue sheet	212
20	Water space	212	20	Water space	212
21	Fire space	212	21	Fire space	212
22	Grate	212	22	Grate	212
23	Flue sheet	212	23	Flue sheet	212
24	Water space	212	24	Water space	212
25	Fire space	212	25	Fire space	212
26	Grate	212	26	Grate	212
27	Flue sheet	212	27	Flue sheet	212
28	Water space	212	28	Water space	212
29	Fire space	212	29	Fire space	212
30	Grate	212	30	Grate	212
31	Flue sheet	212	31	Flue sheet	212
32	Water space	212	32	Water space	212
33	Fire space	212	33	Fire space	212
34	Grate	212	34	Grate	212
35	Flue sheet	212	35	Flue sheet	212
36	Water space	212	36	Water space	212
37	Fire space	212	37	Fire space	212
38	Grate	212	38	Grate	212
39	Flue sheet	212	39	Flue sheet	212
40	Water space	212	40	Water space	212
41	Fire space	212	41	Fire space	212
42	Grate	212	42	Grate	212
43	Flue sheet	212	43	Flue sheet	212
44	Water space	212	44	Water space	212
45	Fire space	212	45	Fire space	212
46	Grate	212	46	Grate	212
47	Flue sheet	212	47	Flue sheet	212
48	Water space	212	48	Water space	212
49	Fire space	212	49	Fire space	212
50	Grate	212	50	Grate	212
51	Flue sheet	212	51	Flue sheet	212
52	Water space	212	52	Water space	212
53	Fire space	212	53	Fire space	212
54	Grate	212	54	Grate	212
55	Flue sheet	212	55	Flue sheet	212
56	Water space	212	56	Water space	212
57	Fire space	212	57	Fire space	212
58	Grate	212	58	Grate	212
59	Flue sheet	212	59	Flue sheet	212
60	Water space	212	60	Water space	212
61	Fire space	212	61	Fire space	212
62	Grate	212	62	Grate	212
63	Flue sheet	212	63	Flue sheet	212
64	Water space	212	64	Water space	212
65	Fire space	212	65	Fire space	212
66	Grate	212	66	Grate	212
67	Flue sheet	212	67	Flue sheet	212
68	Water space	212	68	Water space	212
69	Fire space	212	69	Fire space	212
70	Grate	212	70	Grate	212
71	Flue sheet	212	71	Flue sheet	212
72	Water space	212	72	Water space	212
73	Fire space	212	73	Fire space	212
74	Grate	212	74	Grate	212
75	Flue sheet	212	75	Flue sheet	212
76	Water space	212	76	Water space	212
77	Fire space	212	77	Fire space	212
78	Grate	212	78	Grate	212
79	Flue sheet	212	79	Flue sheet	212
80	Water space	212	80	Water space	212
81	Fire space	212	81	Fire space	212
82	Grate	212	82	Grate	212
83	Flue sheet	212	83	Flue sheet	212
84	Water space	212	84	Water space	212
85	Fire space	212	85	Fire space	212
86	Grate	212	86	Grate	212
87	Flue sheet	212	87	Flue sheet	212
88	Water space	212	88	Water space	212
89	Fire space	212	89	Fire space	212
90	Grate	212	90	Grate	212
91	Flue sheet	212	91	Flue sheet	212
92	Water space	212	92	Water space	212
93	Fire space	212	93	Fire space	212
94	Grate	212	94	Grate	212
95	Flue sheet	212	95	Flue sheet	212
96	Water space	212	96	Water space	212
97	Fire space	212	97	Fire space	212
98	Grate	212	98	Grate	212
99	Flue sheet	212	99	Flue sheet	212
100	Water space	212	100	Water space	212



Boiler built by American Bureau of Shipping, No. 10065, 10066, 10067
 Plans by B. Ellis April 14, 1910, 35121
 1910-B, 22, 1910 35121
 1910-B, 26, 1910 35121
 Titled by D. Martin.

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APPROVED
 J. S. Heck

HULL NO. 157-157
 CHARGE NO. 63
 ENGINEERING DEPARTMENT
 McCullough & Sons
 LONG BEACH SHIPBUILDING COMPANY
 LONG BEACH, CALIFORNIA